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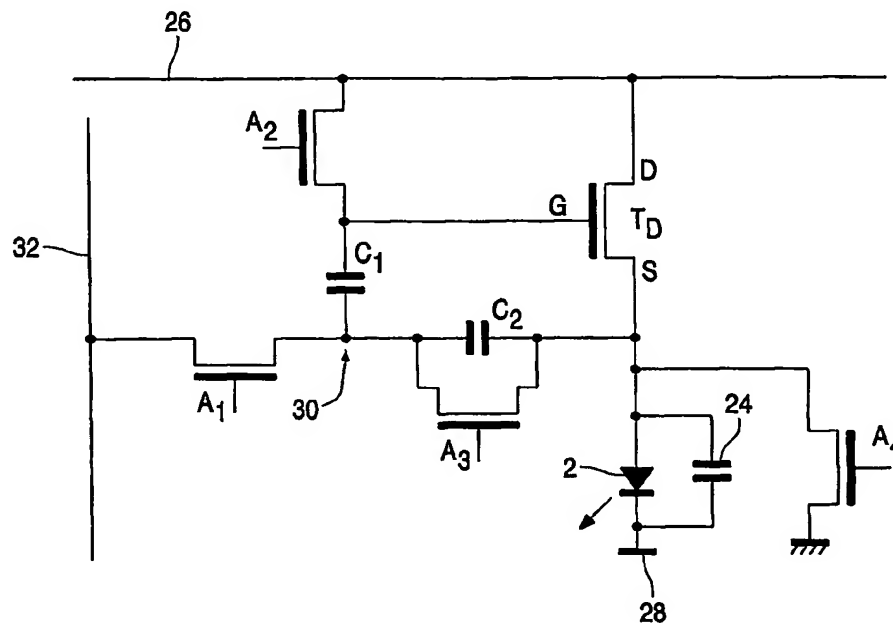
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(54) Title: ACTIVE MATRIX DISPLAY DEVICES



(57) Abstract: An active matrix display device uses an amorphous silicon drive transistor for driving a current through an LED display element. First and second capacitors are connected in series between the gate and source of the drive transistor, with a data input to the pixel provided to the junction between the first and second capacitors. The second capacitor is charged to a pixel data voltage, and a drive transistor threshold voltage is stored on the first capacitor. This pixel arrangement enables a threshold voltage to be stored on the first capacitor, and this can be done each time the pixel is addressed, thereby compensating for age-related changes in the threshold voltage.



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ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

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INTERNATIONAL SEARCH REPORT

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B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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WPI Data, EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>GOH J-C ET AL: "A NEW PIXEL CIRCUIT FOR ACTIVE MATRIX ORGANIC LIGHT EMITTING DIODES"</p> <p>IEEE ELECTRON DEVICE LETTERS, IEEE INC. NEW YORK, US, vol. 23, no. 9, September 2002 (2002-09), pages 544-546, XP001125273</p> <p>ISSN: 0741-3106</p> <p>the whole document</p> <p style="text-align: center;">--- -/--</p>	<p>1-3, 10-12, 29-36</p>

☒ Further documents are listed in the continuation of box C.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	YUMOTO A ET AL: "PIXEL-DRIVING METHODS FOR LARGE-SIZED POLY-SI AM-OLED DISPLAYS" ASIA DISPLAY / IDW'01. PROCEEDINGS OF THE 21ST INTERNATIONAL DISPLAY RESEARCH CONFERENCE IN CONJUNCTION WITH THE 8TH INTERNATIONAL DISPLAY WORKSHOPS. NAGOYA, JAPAN, OCT. 16 - 19, 2001, INTERNATIONAL DISPLAY RESEARCH CONFERENCE. IDRC, SAN JOSE, CA: SID, vol. CONF. 21 / 8, 16 October 2001 (2001-10-16), pages 1395-1398, XP001134248 the whole document	1,2,30, 31
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